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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 9-13528-156US
First Inventor BETTS, Malcolm
Title CROSS-CONNECTION OF HIGH BANDWIDTH SIGNAL
TRAFFIC ACROSS INDEPENDENT PARALLEL SHELVES
Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 32]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 4]
5. Oath or Declaration [Total Pages 1]
 - a. ☒ Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
 - b. ☐ (for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: "Patent Appln. Fee Determination Record"

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: _____

Prior application information:

Examiner: _____

Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label 020988 or ☐ Correspondence address below
(Insert Customer No. or Attach Bar code label here)

Name Ogilvy Renault
Address
City State Zip Code
Country Telephone 613-230-6072 Fax 613-230-6706

Name (Print/Type) Kent Daniels Registration No. (Attorney/Agent) 44,206

Signature Date Nov. 22, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

OGILVY RENAULT

November 22, 2001

Assistant Commissioner for Patents
Washington, D.C. 20231
U.S.A.

Sir:

Re: New United States Patent Application

**Title: CROSS-CONNECTION OF HIGH BANDWIDTH SIGNAL
TRAFFIC ACROSS INDEPENDENT PARALLEL SHELVES**

Inventor(s): Malcolm Betts, et al.

Assignee: Nortel Networks Limited

Our File: 9-13528-156US

Transmitted herewith for filing is the patent application of:

INVENTORS: Malcolm Betts
Kim B. Roberts
Ronald J. Gagnon

TITLE OF THE INVENTION:

**CROSS-CONNECTION OF HIGH BANDWIDTH SIGNAL
TRAFFIC ACROSS INDEPENDENT PARALLEL SHELVES**

The following documents are enclosed:

- a) Utility Patent Application Transmittal PTO/SB/05
- b) Our cheque No. 008747,

Fee Transmittal Form PTO/SB/17 (in duplicate) and Patent Application Fee
Determination Record PTO/SB/06, covering:

.../2

Lawyers and patent and trade-mark agents

1981 McGill College Avenue
Suite 1600
Montréal, Quebec
Canada H3A 2Y3

Telephone (514) 845-7126
Fax (514) 288-8389
ogilvyrenault.com

Continuing the practices of
**Meighen Demers
Ogilvy Renault
Swabey Ogilvy Renault**

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**OGILVY
RENAULT**

Filing Fee	\$740.00
Recording of Assignment	\$ 40.00
Total Number of Claims: 24	
Independent claims in excess of 3 (- @ \$84/42)	\$
Claims in excess of 20 (4 @ \$18/9)	\$ 72.00
Multiple dependent claim (- @\$280/140)	\$
Total	\$ 852.00

- c) Specification/Claims/Abstract
- d) Formal Drawings (4 Sheets - Figs. 1 - 4)
- e) Declaration under 37 CFR 1.63, with
Patent Application Data Sheet
- f) Power of Attorney (3)
- g) Assignment in favor of Nortel Networks Limited
with Recordation Form PTO-1619A
- h) Return receipt postcard.

The applicant/inventor(s) qualify for **large** entity status.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to our Account No. 19-5113.

Please note that the address of the agents for the applicant in this matter should be the Montreal address identified in the enclosed Power of Attorney. Correspondence may be directed to Kent Daniels at the Montreal address of Ogilvy Renault.

Respectfully submitted,



Kent Daniels
Reg. No. 44,206
Agent of Record
Encls. As above

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$ 852

Complete if Known

Application Number

Filing Date

First Named Inventor

BETTS, Malcolm

Examiner Name

Group Art Unit

Attorney Docket No.

9-13528-156US

METHOD OF PAYMENT

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit
Account
Number

19-5113

Deposit
Account
Name

Swabey Ogilvy Renault

- ☒ Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17

- ☐ Applicant claims small entity status.
See 37 CFR 1.27

2. ☒ Payment Enclosed:

- ☒ Check ☐ Credit card ☐ Money
Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Fee Fee Fee
Code (\$) Code (\$) Description

Fee Paid

101	710	201	355	Utility filing fee	740
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$ 740.00

2. EXTRA CLAIM FEES

Total Claims 24 - 20** = 4 x 18 = 72
Independent Claims 0 - 3** = 0 x 0 = 0
Multiple Dependent 0 = 0

Large Entity Small Entity

103	18	203	9	Claims in excess of 20	
102	80	202	40	Independent claims in excess of 3	
104	270	204	135	Multiple dependent claim, if not paid	
109	80	209	40	** Reissue independent claims over original patent	
110	18	210	9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$ 72

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity
Fee Fee Fee Fee
Code (\$) Code (\$) Description

Fee Paid

105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40

SUBMITTED BY

Name (Print/Type)

Kent Daniels

Registration No.
(Attorney/Agent)

44,206

Complete (if applicable)

Telephone

613-230-6072

Signature

Date

November 22, 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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